

storage can be achieved for example by copying the power levels of the individual code channels, before implementation of the code exchange, into a memory.

### Claims

1. Method for displaying powers of code channels of a CDMA (Code Division Multiple Access) signal, which is transmitted with orthogonal transmit diversity (OTD), the signal being transmitted via at last one of at least two antennae (Ant1, Ant2), having the following method steps:
  - reception of the CDMA signal
  - determination of a code class (CC6, CC7) for the representation of the power of the individual code channels;
  - determination of the powers of the individual code channels (19, 147, 83, ...) in the next higher code class (CC7, CC8) with respect to the determined code class (CC6, CC7);
  - assignment of the powers of the individual code channels (19, 147, 83, ...) to the respective antenna (Ant1, Ant2) corresponding to the

orthogonal transmit diversity in the determined code class (CC6, CC7);

- implementation of a code channel exchange corresponding to the actual assignment of the antennae (Ant1, Ant2) with respect to the code classes (CC2, CC3, CC4, CC5) of the actually active code channels (2, 3, 15, 20); and
- representation of the powers of the exchanged code channels for at least one antenna (Ant1, Ant2).

2. Method according to claim 1,

**characterised in that**

in order to represent the power of the actually active code channels (2, 3, 15, 20), the power of the code branches associated with the respective active code channels (2, 3, 15, 20) is represented in a combined manner.

3. Signal analyser for analysing CDMA signals with orthogonal transmit diversity (OTD) for at least two antennae (Ant1, Ant2), the CDMA signal (5) being transmitted via at least one of at least two antennae (Ant1, Ant2), having

an evaluation device (3), which detects the powers of the individual code channels and the code channels, which are detected with respect to the determined code class (CC6, CC7) to be represented in the next higher code class (CC7, CC8) and distributed corresponding to the orthogonal transmit diversity to the respective antennae (Ant1, Ant2), are assigned respectively to that antenna (Ant1; Ant2) which is actually active on the basis of the orthogonal transmit diversity with respect to the active code channel,

and a display device (4) which displays the power of the code channels assigned to the antennae (Ant1; Ant2) by the evaluation device (3).

4. Signal analyser according to claim 3,  
**characterised in that**  
the display device (4) represents the powers of the code channels for respectively only one actually active antenna (Ant1; Ant2).
5. Signal analyser according to claim 3 or 4,  
**characterised in that**  
the display device (4) represents the powers of active code channels as a sum of the powers of the individual code branches.